



03-06-07

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PTO/SB/21 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

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**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number 10/809,089-Conf. #7653

Filing Date March 25, 2004

First Named Inventor Andrew R. MARKS

Art Unit N/A

Examiner Name Not Yet Assigned

Attorney Docket Number 0019240.00596US1

ENCLOSURES (Check all that apply)☐ Fee Transmittal Form☐ Fee Attached☐ Amendment/Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/
Incomplete Application☐ Reply to Missing Parts under
37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☐ Power of Attorney, Revocation
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ Landscape Table on CD☐ After Allowance Communication
to TC☐ Appeal Communication to Board of
Appeals and Interferences☐ Appeal Communication to TC
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name WILMER CUTLER PICKERING HALE AND DORR LLP

Signature *Jane M. Love*

Printed name Jane M. Love, Ph.D.

Date 3/5/07

Reg. No. 42,812

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Docket No.: 0019240.00596US1
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew R. Marks et al. Confirmation No.: 7653
Application No.: 10/809,089 Art Unit: N/A
Filed: March 25, 2004 Examiner: Not Yet Assigned
Title: NOVEL ANTI-ARRHYTHMIC AND HEART FAILURE DRUGS THAT
TARGET THE LEAK IN THE RYANODINE RECEPTOR (RyR2)
AND USES THEREOF

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (IDS)

Dear Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants bring to the attention of the Examiner the documents listed on the attached Form PTO SB-08. Copies of the documents listed are not submitted herewith. These documents were previously cited by or submitted to the United States Patent and Trademark Office in U.S. Patent Application No. 10/288,606, filed November 5, 2002 and is relied upon in this application for an earlier filing date under 35 U.S.C. 120.

This Information Disclosure Statement is being filed prior to the mailing date of a first Office Action on the merits. No fee is required.

Applicants request that the Examiner initial and return a copy of the enclosed Form PTO SB-08 with the next communication.

Dated:

3/5/07

Respectfully submitted,



Jane M. Love, Ph. D.

Registration No.: 42,812

Attorney for Applicant(s)

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PTO/SB/08A/B (09-06)

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Substitute for form 1449/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Application Number	10/809,089-Conf. #7653	
			Filing Date	March 25, 2004	
			First Named Inventor	Andrew R. MARKS	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	9	Attorney Docket Number	0019240.00596US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US-20050213426-A1	09-29-2005	Midas et al.	
	AB*	US-5,457,182	10-10-1995	Wiederrecht et al.	
	AC*	US-5,461,047	10-24-1995	Hansen, Jr. et al.	
	AD*	US-6,313,113	11-06-2001	Lohray et al.	
	AE*	US-5,153,184	10-06-1992	Reifschneider et al.	
	AF*	US-6,683,083	01-27-2004	Kaneko et al.	
	AG*	US-6,977,252	12-20-2005	Kaneko et al.	
	AH*	US-6,649,366-A1	11-18-2003	Chubinskaya et al.	
	AI*	US-2002/0042405-A1	04-11-2002	Schuh	
	AJ*	US-20020052358-A1	05-02-2002	Chubinskaya et al.	
	AK*	US-20030220310-A1	11-27-2003	Schuh	
	AL*	US-20030220312-A1	11-27-2003	Schuh	
	AM*	US-20030055027-A1	03-20-2003	Schun	
	AN*	US-20040053919-A1	03-18-2004	Chubinskaya et al.	
	AO*	US-20020132001-A1	09-19-2002	Garthwaite et al.	
	AP*	US-20050192259-A1	09-01-2005	Garthwaite et al.	
	AQ*	US-20070010571-A1	01-11-2007	Garvey et al.	
	AR*	US-20060135506-A1	06-22-2006	Stephenson et al.	
	AS*	US-20060189603-A1	08-24-2006	Garvey et al.	
	AT*	US-20050009733-A1	01-13-2005	Stephenson et al.	
	AU*	US-20050059655-A1	03-17-2005	Garvey et al.	
	AV*	US-20050159403-A1	07-21-2005	Stephenson et al.	
	AW*	US-20040229803-A1	11-18-2004	Stephenson et al.	
	AX*	US-20030044845-A1	03-06-2003	Jenkins et al.	
	AY*	US-6,830,896-A1	12-14-2004	Kaneko et al.	
	AZ*	US-6,906,072	06-14-2005	Yamamoto et al.	
	AA1*	US-5,767,247	06-16-1998	Kaneko et al.	
	AB1*	US-5,304,558	04-19-1994	Kaneko et al.	
	AC1*	US-20060084658-A1	04-20-2006	Yamamoto et al.	
	AD1*	US-20040220193-A1	11-04-2004	Yamamoto et al.	
	AE1*	US-20030064406-A1	04-03-2003	Kaneko et al.	
	AF1*	US-20030124637-A1	07-03-2003	Kaneko et al.	
	AG1*	US-6,812,252-A1	11-02-2004	Ikawa et al.	
	AH1*	US-6,897,295	05-24-2005	Nagata et al.	
	AI1*	US-6,962,926-A1	11-08-2005	Laborde et al.	
	AJ1*	US-6,998,469-A1	02-14-2006	Tandon et al.	
	AK1*	US-6,271,353	08-07-2001	Nakamura et al.	
	AL1*	US-6,255,472	07-03-2001	Tokino et al.	
	AM1*	US-6,316,485	11-13-2001	Nakamura et al.	
	AN1*	US-6,348,334	02-19-2002	Nagata et al.	
	AO1*	US-5,753,649	05-19-1998	Tahara et al.	
	AP1*	US-6,130,060	10-10-2000	Nakamura, deceased et al.	
	AQ1*	US-6,184,352	02-06-2001	Nakamura et al.	
	AR1*	US-5,179,125	01-12-1993	Mimura et al.	
	AS1*	US-5,210,266	05-11-1993	Mimura et al.	

Examiner Signature		Date Considered	
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/809,089-Conf. #7653
				Filing Date	March 25, 2004
				First Named Inventor	Andrew R. MARKS
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	2	of	9	Attorney Docket Number	0019240.00596US1

AT1*	US-5,387,684	02-07-1995	Inoue et al.	
AU1*	US-5,478,832	12-26-1995	Inoue et al.	
AV1*	US-5,523,410	06-04-1996	Kagara et al.	
AW1*	US-5,593,988	01-14-1997	Tahara et al.	
AX1*	US-5,665,881	09-09-1997	Inoue et al.	
AY1*	US-4,567,254	01-28-1986	Kataoka et al.	
AZ1*	US-4,658,055	04-14-1987	Onuki et al.	
AA2*	US-4,849,535	07-18-1989	Naora et al.	
AB2*	US-20050171196-A1	08-04-2005	Fujii et al.	
AC2*	US-20030186885-A1	10-02-2003	Tandon et al.	
AD2*	US-20040198719-A1	10-07-2004	Laborde et al.	
AE2*	US-20050074762-A1	04-07-2005	Nakamura et al.	
AF2*	US-20030191323-A1	10-09-2003	Ikawa et al.	
AG2*	US-20030181764-A1	09-25-2003	Ikawa et al.	
AH2*	US-7,135,466-A1	11-14-2006	Sakai et al.	
AI2*	US-6,750,255-A1	06-15-2004	Sakai et al.	
AJ2*	US-6,821,987-A1	11-23-2004	Kubo et al.	
AK2*	US-6,939,895-A1	09-06-2005	Sakai et al.	
AL2*	US-6,362,231	03-26-2002	Sakai et al.	
AM2*	US-6,500,816	12-31-2002	Ekimoto et al.	
AN2*	US-20060258701-A1	11-16-2006	Mitsuya et al.	
AO2*	US-20060211717-A1	09-21-2006	Sakai et al.	
AP2*	US-20040132727-A1	07-08-2004	Sakai et al.	
AQ2*	US-20040229876-A1	11-18-2004	Kubo et al.	
AR2*	US-20020107406-A1	08-08-2002	Sakai et al.	
AS2*	US-20030087907-A1	05-08-2003	Kubo et al.	
AT2*	US-20030176485-A1	09-18-2003	Sakai et al.	
AU2*	US-20030144526-A1	07-31-2003	Sakai et al.	
AV2*	US-7,163,952-A1	01-16-2007	Inaba et al.	
AW2*	US-6,753,346-A1	06-22-2004	Shinkai et al.	
AX2*	US-6,803,039-A1	10-12-2004	Tsuji et al.	
AY2*	US-6,869,975-A1	03-22-2005	Abe et al.	
AZ2*	US-7,030,225	04-18-2006	Tamatani et al.	
AA3*	US-7,045,615-A1	05-16-2006	Tamatani et al.	
AB3*	US-7,112,655	09-26-2006	Tamatani et al.	
AC3*	US-6,235,730	05-22-2001	Sato et al.	
AD3*	US-6,426,365	07-30-2002	Shinkai et al.	
AE3*	US-6,410,561	06-25-2002	Shinkai et al.	
AF3*	US-6,583,157-A1	06-24-2003	McGee et al.	
AG3*	US-6,562,618	05-13-2003	Tamatani et al.	
AH3*	US-6,562,828	05-13-2003	Katoh et al.	
AI3*	US-5,719,155	02-17-1998	Cho et al.	
AJ3*	US-5,750,696	05-12-1998	Shibata et al.	
AK3*	US-5,824,862	10-20-1998	Hiyoshi et al.	
AL3*	US-5,807,850	09-15-1998	Nakamura et al.	
AM3*	US-5,792,655	08-11-1998	Watanabe et al.	
AN3*	US-5,142,647	08-25-1992	Nakagawa et al.	

Examiner
SignatureDate
Considered

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			Filing Date	March 25, 2004	
			First Named Inventor	Andrew R. MARKS	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	3	of	9	Attorney Docket Number	0019240.00596US1

AO3*	US-5,214,056	05-25-1993	Haruta et al.	
AP3*	US-5,204,462	04-20-1993	Kobayashi et al.	
AQ3*	US-5,304,380	04-19-1994	Miyajima et al.	
AR3*	US-5,260,286	11-09-1993	Lawson et al.	
AS3*	US-5,332,734	07-26-1994	Kobayashi et al.	
AT3*	US-5,354,758	10-11-1994	Lawson et al.	
AU3*	US-5,476,780	12-19-1995	Watanabe et al.	
AV3*	US-5,624,961	04-29-1997	Ban et al.	
AW3*	US-4,723,012	02-02-1988	Matsumoto et al.	
AX3*	US-4,845,065	07-04-1989	Sugimori et al.	
AY3*	US-4,841,055	06-20-1989	Matsumoto et al.	
AZ3*	US-20050187221-A1	08-25-2005	Matsuda et al.	
AA4*	US-20050277649-A1	12-15-2005	DeGraffenreid et al.	
AB4*	US-20050035939-A1	02-17-2005	Akiyama	
AC4*	US-20060035882-A1	02-16-2006	Koga et al.	
AD4*	US-20060014768-A1	01-19-2006	Kawasaki et al.	
AE4*	US-20060030565-A1	02-09-2006	Shinkai et al.	
AF4*	US-20060059575-A1	03-16-2006	Kusunoki et al.	
AG4*	US-20060223133-A1	10-05-2006	Tamatani et al.	
AH4*	US-20060205731-A1	09-14-2006	Kodama et al.	
AI4*	US-20060122181-A1	06-08-2006	Ikemoto et al.	
AJ4*	US-20060270705-A1	11-30-2006	Yonemori et al.	
AK4*	US-20070010670-A1	01-11-2007	Hirata et al.	
AL4*	US-20040073012-A1	04-15-2004	Tamatani et al.	
AM4*	US-20040132658-A1	07-08-2004	Tamatani et al.	
AN4*	US-20040120945-A1	06-24-2004	Tamatani et al.	
AO4*	US-20040017409-A1	01-29-2004	Mizutani et al.	
AP4*	US-20040180052-A1	09-16-2004	Tsuji et al.	
AQ4*	US-20040171613-A1	09-02-2004	Iwamura et al.	
AR4*	US-20040151718-A1	08-05-2004	Tamatani et al.	
AS4*	US-20040151720-A1	08-05-2004	Tamatani et al.	
AT4*	US-20040151669-A1	08-05-2004	Tamatani et al.	
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AV4*	US-20040146506-A1	07-29-2004	Tamatani et al.	
AW4*	US-20040209871-A1	10-21-2004	Fox et al.	
AX4*	US-20040242683-A1	12-02-2004	Urata et al.	
AY4*	US-20040229957-A1	11-18-2004	Shinkai et al.	
AZ4*	US-20040229790-A1	11-18-2004	Tezuka et al.	
AA5*	US-20040229788-A1	11-18-2004	Tamatani et al.	
AB5*	US-20040225018-A1	11-11-2004	Sunami et al.	
AC5*	US-20050020668-A1	01-27-2005	Urata et al.	
AD5*	US-20050070545-A1	03-31-2005	Fox et al.	
AE5*	US-20050059810-A1	03-17-2005	Maeda et al.	
AF5*	US-20050051181-A1	03-10-2005	Okamoto	
AG5*	US-20020115831-A1	08-22-2002	Tamatani et al.	
AH5*	US-20020156242-A1	10-24-2002	Tamatani et al.	
AI5*	US-20020151685-A1	10-17-2002	Tamatani et al.	

Examiner Signature	Date Considered
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		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
Sheet	4	of	9	Attorney Docket Number	0019240.00596US1

	AJ5*	US-20030083472-A1	05-01-2003	Tamatani et al.	
	AK5*	US-20030055087-A1	03-20-2003	Shinkai et al.	
	AL5*	US-20030232855-A1	12-18-2003	Iwamura et al.	
	AM5*	US-20030092708-A1	05-15-2003	Shinkai et al.	
	AN5*	US-20040006099-A1	01-08-2004	Katoh et al.	
	AO5*	US-7,029,671	04-18-2006	Koezuka et al.	
	AP5*	US-5,508,293	04-16-1996	Okawara et al.	
	AQ5*	US-6,660,837	12-09-2003	Kaibuchi et al.	
	AR5*	US-6,824,973-A1	11-30-2004	Tang et al.	
	AS5*	US-6,673,904-A1	01-06-2004	Nishikawa et al.	
	AT5*	US-6,890,531	05-10-2005	Horie et al.	
	AU5*	US-6,964,975-A1	11-15-2005	Ueno et al.	
	AV5*	US-7,064,194-A1	06-20-2006	Misawa et al.	
	AW5*	US-7,041,870-A1	05-09-2006	Tomizuka et al.	
	AX5*	US-6,338,955-A1	01-15-2002	Oguri et al.	
	AY5*	US-6,391,595	05-21-2002	Kato et al.	
	AZ5*	US-6,632,976	10-14-2003	Tomizuka et al.	
	AA6*	US-5,780,441	07-14-1998	Higa et al.	
	AB6*	US-5,906,819	05-25-1999	Kaibuchi et al.	
	AC6*	US-6,013,499	01-11-2000	Narumiya et al.	
	AD6*	US-6,111,072	08-29-2000	Narumiya et al.	
	AE6*	US-5,166,347	11-24-1992	Izawa et al.	
	AF6*	US-5,223,508	06-29-1993	Izawa et al.	
	AG6*	US-5,272,164	12-21-1993	Izawa et al.	
	AH6*	US-5,413,929	05-09-1995	Ishizaki et al.	
	AI6*	US-5,453,282	09-26-1995	Kanauchi et al.	
	AJ6*	US-5,654,001	08-05-1997	Kanauchi et al.	
	AK6*	US-4,888,418	12-19-1989	Kawai et al.	
	AL6*	US-20050177884-A1	08-11-2005	Tomizuka et al.	
	AM6*	US-20050159365-A1	07-21-2005	Serizawa et al.	
	AN6*	US-20050255546-A1	11-17-2005	Nishikawa	
	AO6*	US-20060041945-A1	02-23-2006	Robl et al.	
	AP6*	US-20060037093-A1	02-16-2006	Tomizuka et al.	
	AQ6*	US-20060026698-A1	02-02-2006	Tomizuka et al.	
	AR6*	US-20060078992-A1	04-13-2006	Misawa et al.	
	AS6*	US-20060123490-A1	06-08-2006	Kakitani et al.	
	AT6*	US-20060011375-A1	01-19-2006	Sugimoto et al.	
	AU6*	US-20060185025-A1	08-17-2006	Oshimura et al.	
	AV6*	US-20060167043-A1	07-27-2006	Iwakubo et al.	
	AW6*	US-20060233902-A1	10-19-2006	Yajima et al.	
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	AY6*	US-20040073957-A1	04-15-2004	Tomizuka et al.	
	AZ6*	US-20040175814-A1	09-09-2004	Kato et al.	
	AA7*	US-20040235162-A1	11-25-2004	Sato	
	AB7*	US-20050032210-A1	02-10-2005	Sato et al.	
	AC7*	US-20020199213-A1	12-26-2002	Tomizuka et al.	
	AD7*	US-6,914,158-A1	07-05-2005	Webber et al.	

Examiner Signature	Date Considered
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Sheet	5	of	9	Attorney Docket Number	0019240.00596US1

AE7*	US-6,951,889-A1	10-04-2005	Hansen, Jr. et al.	
AF7*	US-7,005,450-A1	02-28-2006	Durley et al.	
AG7*	US-7,102,013-A1	09-05-2006	Webber et al.	
AH7*	US-6,756,406-A1	06-29-2004	Durley et al.	
AI7*	US-6,787,668-A1	09-07-2004	Pitzele et al.	
AJ7*	US-6,828,456-A1	12-07-2004	Hansen, Jr. et al.	
AK7*	US-6,852,753-A1	02-08-2005	Koeller et al.	
AL7*	US-6,403,830-A1	06-11-2002	Webber et al.	
AM7*	US-6,465,686-A1	10-15-2002	Grappnerhaus et al.	
AN7*	US-6,465,518-A1	10-15-2002	Hansen, Jr. et al.	
AO7*	US-6,495,544-A1	12-17-2002	Hansen, Jr. et al.	
AP7*	US-6,545,170-A1	04-08-2003	Pitzele et al.	
AQ7*	US-6,586,474-A1	07-01-2003	Webber et al.	
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AV7*	US-20040192584-A1	09-30-2004	McMahon et al.	
AW7*	US-20040186178-A1	09-23-2004	Webber et al.	
AX7*	US-20030199701-A1	10-23-2003	Webber et al.	
AY7*	US-20030199482-A1	10-23-2003	Seibert et al.	
AZ7*	US-20030195218-A1	10-16-2003	Koeller et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	WO-99/16758	04-08-1999	Dr. Reddy's Research Foundation		
	BB	WO-98/45291	10-15-1998	Dr. Reddy's Research Foundation		
	BC	EP-1743895	01-17-2007	Aetas Pharma Col., Ltd.		
	BD	EP-0467325	01-22-1992	Syntex (USA) Inc.		
	BE	WO-05/105793	11-10-2005	Aetas Pharma Co. Ltd		

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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Hain, Jurgen et al. "Phosphorylation Modulates the Function of the Calcium Release Channel of Sarcoplasmic Reticulum from Cardiac Muscle." The Journal of Biological Chemistry, Vol. 270, No. 5, pp. 2074-2081. (February 3, 1995).	

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			First Named Inventor	Andrew R. MARKS	
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Sheet	6	of	9	Attorney Docket Number	0019240.00596US1

	CB	Isselbacher, Kurt J. et al. "Harrison's Principles of Internal Medicine." 13th Edition, Vol. 1, pp. 1022-1024. (1994).	
	CC	Kohn et al., "A New Cardioprotective Agent, JTV-519, Improves Defective Channel Gating of Ryanodine Receptor in Heart Failure." Am. J. Physiol Heart Circ. Physiol., Vol. 284, No. 3, pp. H1035-H1042. First published November 14, 2002. (March 2003)	
	CD	Kumagai et al. "Antiarrhythmic Effects of JTV-519, a novel Cardioprotective Drug, on Atrial Fibrillation/Flutter in a Canine Sterile Pericarditis Model." J. Cardiovasc. Electrophysiol. Vol. 14, No. 8, pp. 880-884. (2003).	
	CE	Szabo et al. "Synthesis and Transformations of 4,5-Dihydro-1,4-benzothiazepin-3(2H)-one Derivatives1,2)." Chemische Berichte., Vol. 119, No. 9, pp. 2904-2913. (1986).	
	CF	Szabo, Janos et al., "Synthesis and Spectroscopic Investigations of 1,4-benzothiazepine derivatives." Can. J. Chem, Vol. 65, pp. 175-181. (1987).	
	CG	Yano et al., "RyR-Bound FKBP12.6 and the Modulation." Journal Clinical Calcium, Vol. 11, No. 6, pp. 743-748. (June 2001).	
	CH	Haut, Donahue, et al., "Annexin V Disruption Impairs Mechanically Induced Calcium Signaling in Osteoblastic Cells," Bone, Vol 35, No 3) pp. 656-63, (2004)	
	CI	Ackerman, MJ, "Cardiac channelopathies: it's in the genes," Nat. Med., Vol. 10, pp. 463-4 (2004)	
	CJ	Bangur, et al., "Mutational analysis of the D1/E1 core helices and the conserved N-terminal region of yeast transcription factor IIB (TFIIB): identification of an N-terminal mutant that stabilizes TATA-binding protein-TFIIB-DNA complexes," Mol. Cell Biol., Vol. 17, pp. 6784-93 (1997)	
	CK	Brillantes, et al., "Developmental and tissue-specific regulation of rabbit skeletal and cardiac muscle calcium channels involved in excitation-contraction coupling, " Circ. Res., Vol. 75, pp. 503-10 (1994)	
	CL	Brillantes, et al., "Differences in cardiac calcium release channel (ryanodine receptor) expression in myocardium from patients with end-state heart failure caused by ischemic versus dilated cardiomyopathy," Circ. Res., Vol. 71, pp. 18-26 (1992)	
	CM	Chatrath, et al., "Beta-blocker therapy failures in symptomatic probands with genotyped long-QT syndrome," Pediatr. Cardiol., Vol. 25, pp. 459-65 (2004)	
	CN	Che, et al., "Reversal of P-glycoprotein mediated multidrug resistance by a newly synthesized 1,4-benzothiazepine derivative, JTV-519," Cancer Lett., Vol. 187, pp. 111-9 (2002)	
	CO	Choi, et al., "Spectrum and frequency of cardiac channel defects in swimming-triggered arrhythmia syndromes," Circulation, Vol. 110, pp. 2119-24 (2004)	
	CP	Choi, et al., "Sudden cardiac death and channelopathies: a review of implantable defibrillator therapy," Pediatr. Clin. North Am., Vol. 51, pp. 1289-1303 (2004)	
	CQ	Farr, et al., "Sparking the failing heart," N. Engl. J. Med., Vol. 351, pp. 185-7 (2004)	
	CR	Fitzgerald, et al., "Reduced ryanodine receptor content in isolated neonatal cardiomyocytes compared with the intact tissue," J. Mol. Cell, Cardiol., Vol. 26, pp. 1261-5 (1994)	
	CS	Gillian, et al., "Analysis of expression of the human ryanodine receptor gene in malignant hyperthermia skeletal muscle tissue," Biochem. Soc. Trans., Vol. 19, pp. 46S (1991)	
	CT	Ikemoto, et al., "Regulation of calcium release by interdomain interaction within ryanodine receptors," Front Biosci., Vol. 7, pp. d671-683 (2002)	
	CU	Kirsch, et al., "The roles of annexins and types II and X collagen in matrix vesicle-mediated mineralization of growth plate cartilage," J. Biol. Chem., Vol. 275, pp. 35577-83 (2000)	
	CV	Kobrinisky, et al., "Expressed ryanodine receptor can substitute for the inositol 1,4,5-trisphosphate receptor in Xenopus laevis oocytes during progesterone-induced maturation," Dev. Biol., Vol. 172, pp. 531-40 (1995)	

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	CW	Lehnart, et al., "Immunophilins and coupled gating of ryanodine receptors," Curr. Top. Med. Chem., Vol. 3, pp. 1383-91 (2003)	
	CX	Lehnart, et al., "Calstabin deficiency, ryanodine receptors, and sudden cardiac death," Biochem. Biophys. Res. Commun., Vol. 322, pp. 1267-79 (2004)	
	CY	Lesh, et al., "Anti-ryanodine receptor antibody binding sites in vascular and endocardial endothelium," Cir., Res., Vol. 72, pp. 481-8 (1993)	
	CZ	Marks, AR, "Calcium channels expressed in vascular smooth muscle," Circulation, Vol. 86, pp. III61-7 (1992)	
	CA1	Marks, AR, "Immunophilin modulation of calcium channel gating," Methods., Vol. 9, pp. 177-87 (1996)	
	CB1	Marks, AR, "Intracellular calcium-release channels: regulators of cell life and death," Am. J. Physiol., Vol. 272, pp. H597-605 (1997)	
	CC1	Marks, et al., "Molecular cloning and characterization of the Ryanodine receptor/junctional channel complex cDNA from skeletal muscle sarcoplasmic reticulum," Proc. Natl. Acad. Sci. U.S.A., Vol. 86, pp. 8683-7 (1989)	
	CD1	Marks, et al., "Regulation of ryanodine receptors via macromolecular complexes: a novel role for leucine/isoleucine zippers," Trends Cardiovasc. Med., Vol. 12, pp. 166-70 (2002)	
	CE1	Marks, et al., "Surface topography analysis of the ryanodine receptor/junctional channel complex based on proteolysis sensitivity mapping," J. Biol. Chem., Vol. 265, pp. 13143-9 (1990)	
	CF1	Marks, et al., "The ryanodine receptor/junctional channel complex is regulated by growth factors in a myogenic cell line," J. Cell. Biol., Vol. 114, pp. 303-12, (1991)	
	CG1	Maron, et al., "Recommendations for physical activity and recreational sports participation for young patients with genetic cardiovascular diseases," Circulation, Vol. 109, pp. 2807-16 (2004)	
	CH1	McPhie, et al., "Structure of the hormone binding domain of human beta 1 thyroid hormone nuclear receptor: is it an alpha/beta barrel?" Biochemistry, Vol. 32, pp. 7460-5 (1993)	
	CI1	Nakamura, et al., "Reversal of cisplatin resistance by the 1,4-benzothiazepine derivative, JTV-519," Jpn. J. Cancer Res., Vol. 92, pp. 597-602 (2001)	
	CJ1	Ondrias, et al., "FKBP12 modulates gating of the ryanodine receptor/calcium release channel," Ann. N.Y. Acad. Sci., Vol. 853, pp. 149-56 (1998)	
	CK1	Ondrias, et al., "Single channel properties and calcium conductance of the cloned expressed ryanodine receptor/calcium-release channel, Soc. Gen. Physiol. Serv., Vol. 51, pp. 29-45 (1996)	
	CL1	Paul-Pletzer, et al., "Identification of a dantrolene-binding sequence on the skeletal muscle ryanodine receptor," J. Biol. Chem., Vol. 277, pp. 34918-23 (2002)	
	CM1	Roseblit, et al., "Intracellular calcium release channel expression during embryogenesis," Dev. Biol., Vol. 206, pp. 163-77 (1999)	
	CN1	Shtifman, et al., "Interdomain interactions within ryanodine receptors regulate Ca ²⁺ spark frequency in skeletal muscle," J. Gen. Physiol., Vol. 119, pp. 15-31 (2002)	
	CO1	Tester, et al., "Compendium of cardiac channel mutations in 541 consecutive unrelated patients referred for long QT syndrome genetic testing," Heart Rhythm. Vol. 2, pp. 507-17 (2005)	
	CP1	Tester, et al., "Targeted mutational analysis of the RyR2-encoded cardiac ryanodine receptor in sudden unexplained death: a molecular autopsy of 40 medical examiner/coroner's cases," May Clin. Proc., Vol. 79, pp. 1380-4 (2004)	
	CQ1	Timmerman, et al., "The ryanodine receptor from canine heart sarcoplasmic reticulum is associated with a novel FK-506 binding protein," Biochem. Biophys. Res. Commun., Vol. 198, pp. 701-6 (1994)	
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	CR1	Tipton, et al., "My child just fainted: no big deal or sudden-death warning?" Emerg. Med. Serv., Vol. 33, pp. 41-5 (2004)	
	CS1	Wang, et al., "Retinoic acid stimulates annexin-mediated growth plate chondrocyte mineralization," J. Cell Biol., Vol. 157, pp. 1061-9 (2002)	
	CT1	Wang, W., et al., "Annexin-mediated Ca ²⁺ influx regulates growth plate chondrocyte maturation and apoptosis," J. Biol. Chem., Vol. 278, pp. 3762-9 (2003)	
	CU1	Ward, et al., "Defects in ryanodine receptor calcium release in skeletal muscle from post-myocardial infarct rats," Faseb J., Vol. 17, pp. 1517-9 (2003)	
	CV1	Wehrens, et al., "Altered function and regulation of cardiac ryanodine receptors in cardiac disease," Trends Biochem. Sci., Vol. 28, pp. 671-8 (2003)	
	CW1	Wehrens, et al., "Myocardial disease in failing hearts: defective excitation-contraction coupling," Cold Spring Harb. Symp. Quant. Biol., Vol. 67, pp. 533-41 (2002)	
	CX1	Yamamoto, et al., "Ca ²⁺ -dependent dual function of peptide C. The peptide corresponding to the Glu724-Pro760 region (the so-called determinant of excitation-contraction coupling) of the dihydropyridine receptor alpha 1 subunit II-III loop," J. Biol. Chem., Vol. 277, pp. 993-1001 (2002)	
	CY1	Yamamoto, et al., "Peptide probe study of the critical regulatory domain of the cardiac ryanodine receptor," Biochem. Biophys. Res. Commun., Vol. 291, pp. 1102-8 (2002)	
	CZ1	Yamamoto, et al., "Spectroscopic monitoring of local conformational changes during the intramolecular domain-domain interaction of the ryanodine receptor," Biochemistry, Vol. 41, pp. 1492-501 (2002)	
	CA2	Marks, AR, "Arrhythmias of the heart: beyond ion channels," Nat. Medicine, Vol. 9, pp. 263-4, (2003)	
	CB2	Marks, AR, "Calcium and the heart: a question of life and death," J. Clin. Investigation, Vol. 111, pp. 597-600, (2003)	
	CC2	Manzur, et al., "A severe clinical and pathological variant of central core disease with possible autosomal recessive inheritance," Neur. Disorders, Vol. 8, pp. 467-473 (1998)	
	CD2	Swan, et al., "Calcium channel antagonism reduces exercise-induced ventricular arrhythmias in catecholaminergic polymorphic ventricular tachycardia patients with RyR2 mutations," J. of Card. Electrophysiology, Vol. 16, No. 2, pp. 162-6, (2005)	
	CE2	Culligan, et al., "Drastic reduction of calsequestrin-like proteins and impaired calcium binding in dystrophic mdx muscle," J. Appl. Physiol., Vol. 92, pp. 435-445 (2002)	
	CF2	Dorian, P., "Antiarrhythmic action of beta-blockers: potential mechanisms," J. Cardiovasc. Pharmacol. Therapeut., Vol. 10, pp. S15-S22 (2005)	
	CG2	Morita, et al., "Ca channel blocking activity of JTV-519, a novel protective drug to cytotoxicity," Neuroscience Research, Vol. 31, Supp. 1, p. S65 (1998)	
	CH2	Ishii, et al., "JTV-519, a new cardioprotective drug, and cariporide, synergistically improved post-ischemic contractile recovery in rat," Journal of Molecular and Cellular Cardiology, Vol. 35, Issue 6, p A29 (2002)	
	CI2	Lee, et al., "Sudden unexplained death: evaluation of those left behind," The Lancet, Vol. 362, pp. 1429-1431 (2003)	
	CJ2	Behr, et al., "Cardiological assessment of first-degree relatives in sudden arrhythmic death syndrome," The Lancet, Vol. 362, 1457-59 (2003)	
	CK2	Yamamoto, et al., "T-tubule depolarization-induced local events in the ryanodine receptor, as monitored with the fluorescent conformational probe incorporated by mediation of peptide A," J. Biol. Chem. Vol. 277, pp. 984-92 (2002)	
	CL2	Wang, ZG et al., "Effects of Flecainide and Quinidine on Human Atrial Action Potentials. Role of rate-dependence and comparison with guinea pig, rabbit, and dog tissues," Circulation, Journal of the American Heart Association, Vol. 82, pp. 274-283. 1990	
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	CM2	Echt et al., "Mortality and morbidity in patients receiving encainide, flecainide, or placebo," The Cardiac Arrhythmia Suppression Trial, N. Engl. J. Med., Vol 324, pp. 781-788. (1991)	
	CN2	Schotten et al., "Electrical and contractile remodeling during the first days of atrial fibrillation go hand in hand," Circulation, Vol. 107, pp. 1433-1439. (2003)	
	CO2	Shiroshita-Takeshita et al., "Atrial fibrillation: basic mechanisms, remodeling and triggers," J. Interv. Card. Electrophysiol, Vol. 13, pp. 181-193. (2005)	
	CP2	Stevenson, W.G. et al., "Sudden death prevention in patients with advanced ventricular dysfunction," Circulation, Vol. 88, pp. 2953-2961. 1993	
	CQ2	Wilde et al., "Ion Channels, the QT interval, and arrhythmias," Pacing Clin Electrophysiol, Vol. 20, pp. 2048-2051. 1997	
	CR2	Special Report "Preliminary Report: Effect of Encainide and Flecainide on mortality in a randomized trial of arrhythmia suppression after myocardial infarction," The New England Jour. of Med., Vol 321, No 6, pp. 406-412. (1989)	

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